

National Defense Purchases: Detailed Quarterly Estimates, 1977-82

THIS article presents for the first time quarterly estimates of national defense purchases of goods and services at a level of detail between what is now available annually and what is now available quarterly. The new estimates are of current- and constant-dollar purchases and of implicit price deflators for 1977-82. (Annual estimates now available are in National Income and Product Accounts (NIPA) tables 3.9, 3.10, and 7.15; quarterly estimates are in NIPA tables 8.7B, 8.8B, and 7.14B.) In addition, percent changes for a new fixed-weighted price index are introduced at the same level of detail; this index will be described below. Previously, the only fixed-weighted price index for national defense purchases had been the one for total purchases shown in NIPA table 7.2.

Tables 1 and 2 below present annual estimates at the same level of detail as the new quarterly estimates; tables 3-6 present the new quarterly estimates. Hereafter, current quarterly estimates will appear regularly in the SURVEY OF CURRENT BUSINESS in

the "Reconciliation and Other Special Tables."

The new fixed-weighted price index for national defense purchases differs in two ways from the one shown in NIPA table 7.2. First, the new index incorporates significantly more product detail. Second, the new index is based on 1977 weights, rather than on 1972 weights. The two differences are interrelated: Because sufficient detail was lacking prior to 1977, that year was used as the base year. Only percent changes at annual rates are shown for the new index.

The data base for the new index is the same as that used in preparing current- and constant-dollar estimates of national defense purchases. (See the Special Note in this issue of the SURVEY.) Two standard conventions—the treatment of missing observations and the introduction of new products—should be highlighted because of their particular relevance in working with defense goods and services.

Quarterly observations are sometimes missing at the detailed product level because Department of Defense

purchases of many items are sporadic. This problem is dealt with by carrying forward the price from the quarter preceding the missing observation to the next quarter for which an observation is available. This convention assumes that the price of an item is unchanged until a transaction for that item recurs. If an item is not to be purchased again, and it is not replaced, it is linked out of the series.

Products that are purchased for the first time in a period subsequent to the base year require special treatment. In this index, as in many others, new products are introduced when they become a significant part of the current-period "market basket" and their prices stabilize. To do this, a linking procedure is used to generate a base-period price for the new product. The weight given to a new product (e.g., JP-8, a new type of jet fuel) is taken from other products within a related group of products (jet fuel in the case of JP-8); the total weight for the group of products is not changed. A modification of this procedure is made for major weapons systems, for

Table 1.—National Defense Purchases of Goods and Services

	Billions of dollars					Billions of 1972 dollars					Implicit price deflator, 1972=100				
	1977	1978	1979	1980	1981	1977	1978	1979	1980	1981	1977	1978	1979	1980	1981
National defense purchases	92.8	100.3	111.3	131.4	153.7	65.4	68.7	62.4	70.7	73.5	141.9	152.3	161.0	187.1	209.0
Durables	22.3	24.1	29.0	33.6	40.1	16.6	16.2	17.7	18.3	16.7	195.4	148.2	164.8	189.6	208.5
Aircraft	6.9	7.2	9.1	11.0	12.7	5.8	4.8	5.6	5.8	6.1	130.2	140.6	107.0	187.7	200.6
Missiles	2.2	2.6	3.2	4.6	4.6	1.9	2.0	2.0	2.1	2.2	115.4	121.2	154.2	177.6	206.1
Ships	3.3	3.5	3.7	4.3	4.6	2.0	2.0	2.0	2.0	2.2	167.4	177.2	190.7	201.2	223.6
Vehicles	1.8	1.4	1.7	1.9	1.7	.7	.9	1.0	1.0	.8	148.3	157.8	178.0	183.9	201.7
Other durables	8.9	9.5	11.2	12.8	16.0	6.6	6.6	7.2	7.4	8.4	134.3	148.9	168.5	173.3	190.8
Nondurables	6.8	6.6	6.6	10.7	12.6	2.2	2.2	2.2	2.4	2.6	228.6	249.4	206.1	237.2	486.0
Bulk petroleum	2.9	3.2	4.0	7.6	9.0	.9	0.8	.8	.9	.8	329.3	264.1	502.4	257.8	303.5
Other nondurables	2.1	2.3	2.6	3.1	3.6	1.3	1.4	1.4	1.6	1.7	152.7	166.2	183.4	194.2	217.5
Services	63.1	68.3	73.8	84.1	98.0	45.1	45.6	46.1	47.9	49.0	130.9	145.5	159.8	176.7	196.6
Compensation	42.3	46.1	43.7	53.2	60.8	32.0	32.2	22.0	32.2	32.8	134.0	143.1	152.2	168.3	185.3
Services less compensation	20.3	22.1	22.1	30.8	37.2	13.2	13.4	14.2	15.7	17.1	154.2	165.0	177.1	197.0	217.9
Travel	1.3	1.8	1.3	1.6	2.1	.9	.9	.8	.8	.9	141.2	146.5	158.4	191.1	236.4
Transportation	2.0	2.1	2.2	2.5	2.9	1.3	1.3	1.2	1.2	1.2	157.0	162.9	186.0	223.7	246.4
Communications	.8	.7	.7	.7	.9	.6	.6	.6	.6	.6	115.9	119.5	120.4	122.9	149.6
Other services	16.3	18.1	20.9	26.0	31.4	10.4	10.7	11.6	13.1	14.4	157.0	169.2	180.7	198.3	217.9
Structures	2.4	2.5	2.6	3.0	3.0	1.6	1.6	1.4	1.5	1.4	150.5	160.9	183.5	203.6	221.5
Addenda:															
Total purchases less compensation	50.0	54.2	63.2	78.1	92.0	38.4	38.5	35.4	37.8	40.7	140.5	161.5	178.6	206.8	229.1
Total purchases less compensation and bulk petroleum	47.3	51.0	59.2	70.5	84.0	32.6	32.6	34.6	37.0	39.8	144.5	158.5	171.1	190.7	210.9

which prices do not stabilize until well into the production run. To wait for a price to stabilize would mean omitting a new weapons system for many quarters. Thus, major weapons systems are introduced into the index immediately.

For total national defense purchases, changes in the index shown in NIPA table 7.2 and in the new fixed-weighted index, in general, differ only slightly. As is usually the case, the index based on a more current period shows smaller increases than the index with an earlier base.

Table 2.—Percent Change From Preceding Period

	Implicit price deflator, 1972 = 100				Fixed-weighted price index, 1977 = 100			
	1978	1979	1980	1981	1978	1979	1980	1981
National defense purchases.....	7.9	8.7	12.9	11.6	7.4	8.6	12.7	11.5
Durables.....	9.5	10.8	11.7	10.9	9.0	9.7	11.4	10.1
Aircraft.....	14.8	11.6	12.4	11.6	11.5	11.6	12.7	10.9
Missiles.....	10.2	22.3	14.1	16.1	8.8	10.0	9.1	16.2
Ships.....	5.8	7.6	9.7	6.8	5.8	9.3	11.0	7.1
Vehicles.....	6.3	9.2	12.7	19.5	10.6	5.6	15.8	11.0
Other durables.....	7.1	8.7	10.9	10.0	7.4	8.8	10.8	9.8
Nondurables.....	7.9	21.6	46.6	31.4	7.4	24.8	49.5	18.7
Bulk petroleum.....	7.3	30.0	70.7	14.7	6.5	36.1	73.1	16.4
Other nondurables.....	8.1	10.4	8.6	9.2	8.7	9.1	9.1	9.2
Services.....	8.9	6.9	8.9	11.8	6.8	6.9	9.7	12.0
Compensation.....	8.8	6.4	6.6	12.1	6.7	6.8	8.6	12.2
Services less compensation.....	7.0	7.2	11.2	10.6	7.1	7.9	12.1	11.5
Travel.....	5.8	4.7	24.6	21.7	3.6	4.2	25.6	22.6
Transportation.....	9.8	14.2	26.2	5.7	3.4	15.0	10.0	7.2
Communications.....	8.2	7.7	2.1	21.7	4.1	2.2	2.0	14.2
Other services.....	7.7	8.8	3.7	8.9	8.0	7.6	10.5	11.1
Structures.....	6.9	14.9	11.1	8.7	5.8	11.0	12.8	6.5
Addenda:								
Total purchases less compensation.....	8.3	10.2	16.5	10.6	7.8	10.5	18.0	11.0
Total purchases less compensation and bulk petroleum.....	8.3	9.3	11.5	10.6	8.0	9.0	11.7	10.5

Table 3.—National Defense Purchases of Goods and Services by Type

(Billions of dollars; seasonally adjusted annual rates)

	1977				1978				1979			
	I	II	III	IV	I	II	III	IV	I	II	III	IV
National defense purchases.....	98.6	92.7	93.6	94.3	95.3	99.7	101.7	104.4	106.6	102.9	102.7	115.6
Durables.....	22.2	23.1	22.8	21.6	22.9	24.0	24.4	25.0	25.0	26.0	29.4	32.6
Aircraft.....	6.9	7.1	6.9	6.5	5.8	7.1	7.0	8.7	8.2	8.2	9.0	11.0
Missiles.....	2.3	2.3	2.3	2.6	2.3	2.7	2.7	2.7	2.5	3.0	3.4	3.7
Ships.....	3.3	3.5	3.3	3.1	3.2	3.8	3.8	3.5	3.8	4.0	3.6	3.7
Vehicles.....	3.0	1.1	1.1	5.3	1.2	1.2	1.5	1.6	1.5	1.4	2.2	2.0
Other durables.....	6.6	9.1	8.7	9.1	9.8	9.2	9.0	9.1	10.6	11.4	11.2	11.7
Nondurables.....	4.6	4.8	3.6	4.8	4.8	5.5	5.6	5.6	5.8	5.7	6.9	8.1
Bulk petroleum.....	2.5	2.7	3.5	2.8	2.5	3.8	3.8	3.0	3.4	3.1	4.1	5.3
Other nondurables.....	2.1	2.1	2.1	2.0	2.1	2.3	2.6	2.1	2.4	2.8	2.7	2.7
Services.....	61.3	62.0	63.2	65.9	66.4	67.3	68.1	71.1	72.0	78.6	74.7	76.4
Compensation.....	42.1	42.2	42.3	44.9	45.1	45.1	45.9	47.8	47.8	47.5	48.1	50.9
Services less compensation.....	18.3	19.5	21.0	21.1	21.3	21.8	22.2	23.3	24.3	25.1	25.5	26.5
Travel.....	1.2	1.3	1.3	1.4	1.3	1.3	1.3	1.2	1.2	1.2	1.4	1.2
Transportation.....	1.9	2.0	2.0	2.1	1.8	2.0	2.2	2.3	2.2	2.3	2.3	2.6
Communications.....	1.6	1.8	1.7	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7
Other services.....	16.5	16.0	16.9	17.0	17.5	17.9	18.0	18.1	19.0	20.0	21.2	21.5
Structures.....	2.5	2.7	2.4	2.1	2.0	2.8	2.7	2.8	2.2	2.3	2.8	2.5
Addenda:												
Total purchases less compensation.....	48.6	50.5	51.2	49.7	50.2	54.2	55.7	56.6	58.8	61.1	64.7	68.1
Total purchases less compensation and bulk petroleum.....	48.1	47.8	47.7	46.8	47.7	50.9	51.0	51.5	55.4	58.0	60.5	62.7
	1980				1981				1982			
	I	II	III	IV	I	II	III	IV	I	II	III	IV
National defense purchases.....	126.3	120.6	126.5	128.1	142.1	150.4	154.1	166.9	165.2	126.2	142.3	162.1
Durables.....	33.7	33.3	32.6	34.6	36.1	40.4	41.6	42.7	43.1	42.8	42.3	42.3
Aircraft.....	11.4	10.5	10.3	11.8	11.8	12.8	14.8	14.2	15.4	15.4	15.5	15.5
Missiles.....	3.3	3.5	3.8	3.8	4.1	4.8	5.0	4.7	5.2	6.5	6.1	6.1
Ships.....	4.3	4.3	4.4	4.1	3.9	5.4	5.4	5.2	5.2	5.8	5.8	5.8
Vehicles.....	1.8	2.2	1.9	1.7	1.6	1.8	1.9	1.7	2.1	2.8	2.7	2.7
Other durables.....	12.7	12.1	12.2	13.1	14.9	16.2	16.7	16.8	16.4	19.4	19.4	19.4
Nondurables.....	10.6	10.5	10.8	11.5	12.1	12.2	12.8	13.2	13.5	13.4	13.1	13.1
Bulk petroleum.....	7.2	7.4	7.5	9.2	8.4	8.5	8.5	9.3	9.1	9.1	9.1	9.1
Other nondurables.....	2.8	3.1	3.3	3.6	3.7	3.6	3.7	3.7	4.3	4.3	4.0	4.0
Services.....	90.3	89.4	89.4	89.2	92.3	94.4	95.8	107.0	106.0	110.7	116.8	116.8
Compensation.....	51.3	51.6	42.2	51.8	58.5	59.2	59.8	65.6	65.8	65.5	66.8	66.8
Services less compensation.....	29.0	31.8	31.2	31.4	33.7	35.1	38.1	42.0	39.8	44.1	49.0	49.0
Travel.....	1.4	1.5	1.6	1.8	1.8	2.1	2.1	2.3	2.4	2.6	2.4	2.4
Transportation.....	2.4	2.5	2.7	2.8	2.8	2.6	2.1	3.0	3.2	3.1	3.2	3.2
Communications.....	1.7	1.7	1.7	1.9	1.8	1.8	1.9	1.0	1.0	1.2	1.3	1.3
Other services.....	24.5	21.1	26.1	26.1	26.4	29.6	32.0	35.6	33.1	37.4	42.3	42.3
Structures.....	2.8	2.8	3.7	2.8	2.7	2.9	2.9	3.4	3.4	3.3	3.9	3.9
Addenda:												
Total purchases less compensation.....	75.5	78.4	78.3	80.3	84.6	91.2	94.5	101.8	98.8	109.6	115.4	115.4
Total purchases less compensation and bulk petroleum.....	68.2	70.9	70.9	72.1	76.2	81.7	80.2	91.8	91.8	100.5	101.2	101.2

Table 4.—National Defense Purchases of Goods and Services by Type in Constant Dollars

(Billions of 1972 dollars; seasonally adjusted at annual rates)

	1977				1978				1979			
	I	II	III	IV	I	II	III	IV	I	II	III	IV
National defense purchases	65.5	65.9	65.8	64.5	64.1	66.0	66.4	66.2	66.4	67.1	67.7	68.2
Durables	16.9	17.0	16.4	15.8	15.5	16.4	16.4	16.6	16.8	17.4	17.7	18.8
Aircraft	5.5	5.5	5.2	4.9	4.9	4.9	4.8	5.5	5.2	5.1	5.2	5.4
Missiles	2.1	2.1	2.0	1.7	1.9	2.2	2.1	1.9	1.8	2.0	2.2	2.1
Ships	2.0	2.1	2.0	1.8	1.9	2.1	1.9	1.9	2.0	2.1	1.9	1.9
Vehicles	6.6	6.8	7.7	6.6	6.8	7.5	7.3	7.0	7.0	7.3	7.4	7.1
Other durables	6.7	6.7	6.5	6.8	7.0	6.8	6.8	6.2	6.9	7.4	7.1	7.2
Nondurables	2.2	2.2	2.4	2.1	2.0	2.3	2.6	2.1	2.2	2.2	2.3	2.2
Bulk petroleum	2.8	2.8	1.0	.8	.7	.9	1.1	.8	.9	.7	.8	.8
Other nondurables	1.4	1.4	1.3	1.3	1.3	1.4	1.5	1.3	1.4	1.4	1.5	1.4
Services	44.7	44.9	45.5	45.4	45.3	45.6	45.7	46.0	46.2	46.8	46.8	45.8
Compensation	32.0	31.9	32.0	32.0	32.1	32.2	32.2	32.0	31.9	32.0	31.9	31.9
Services less compensation	12.8	12.8	13.5	13.4	13.2	13.3	13.4	13.8	14.1	14.4	14.3	13.9
Travel	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Transportation	1.2	1.2	1.3	1.3	1.1	1.2	1.4	1.4	1.3	1.3	1.2	1.0
Communications	.6	.5	.6	.4	.5	.6	.8	.8	.8	.8	.8	.8
Other services	10.1	10.2	10.7	10.6	10.6	10.6	10.6	11.0	11.5	11.2	11.8	11.8
Structures	1.7	1.8	1.6	1.4	1.2	1.8	1.7	1.5	1.3	1.3	1.5	1.3
Addenda:												
Total purchases less compensation	89.5	84.8	85.8	82.5	82.0	83.8	84.1	84.0	84.4	85.2	85.7	86.2
Total purchases less compensation and bulk petroleum	92.8	88.2	89.8	81.7	81.3	82.9	83.0	83.2	83.5	84.5	85.0	85.4
	1980				1981				1982			
	I	II	III	IV	I	II	III	IV	I	II	III	IV
National defense purchases	70.3	70.4	70.8	69.6	71.0	72.9	74.3	76.1	74.3	76.2	80.5	
Durables	18.1	18.1	17.7	18.2	18.8	19.9	20.2	20.1	19.9	21.7	21.6	
Aircraft	5.5	5.5	5.0	6.0	5.7	6.0	6.7	6.1	6.3	6.1	6.1	
Missiles	2.1	2.0	2.1	2.0	2.1	2.4	2.4	2.1	2.5	2.7	2.6	
Ships	2.1	2.0	2.1	2.0	1.8	2.4	2.4	2.3	2.2	2.6	2.4	
Vehicles	1.0	1.1	.9	.8	.7	.8	.8	.7	.8	1.0	1.0	
Other durables	7.6	7.4	7.0	7.4	8.0	8.6	8.6	8.3	8.3	8.2	8.5	
Nondurables	2.4	2.4	2.5	2.5	2.6	2.7	2.4	2.6	2.8	2.8	2.7	
Bulk petroleum	.9	.8	.8	.8	.9	.9	.8	1.0	1.0	1.0	1.0	
Other nondurables	1.4	1.6	1.7	1.8	1.9	1.7	1.6	1.7	1.9	1.9	1.7	
Services	47.4	48.5	49.0	47.6	48.5	49.0	50.2	51.8	50.3	52.3	54.8	
Compensation	30.0	30.1	30.3	30.3	30.5	32.7	33.0	33.1	33.8	33.3	32.3	
Services less compensation	13.4	13.4	13.6	13.7	15.6	16.3	17.3	18.8	17.1	18.1	21.1	
Travel	.8	.8	.7	.7	.8	.9	.9	1.0	1.0	1.0	1.0	
Transportation	1.1	1.1	1.2	1.2	1.2	1.1	1.3	1.3	1.3	1.3	1.3	
Communications	.6	.6	.6	.6	.6	.6	.6	.6	.6	.7	.7	
Other services	12.9	13.8	13.0	12.6	13.4	13.7	14.5	15.0	14.2	16.1	18.1	
Structures	1.4	1.4	1.8	1.4	1.3	1.8	1.3	1.5	1.5	1.4	1.7	
Addenda:												
Total purchases less compensation	88.3	88.3	87.6	87.3	88.5	90.2	91.3	92.0	91.8	94.9	97.1	
Total purchases less compensation and bulk petroleum	91.4	87.4	86.8	86.4	87.6	89.2	90.5	92.0	90.4	94.0	96.1	

Table 5.—Percent Change From Preceding Period in Implicit Price Deflators (1972=100)

(Seasonally adjusted at annual rates)

	1977				1978				1979			
	I	II	III	IV	I	II	III	IV	I	II	III	IV
National defense purchases.....	7.6	6.6	4.3	12.4	6.1	6.5	6.7	12.7	7.0	4.8	18.5	20.3
Durables.....	17.1	12.8	2.8	5.0	10.1	7.8	8.9	15.8	11.4	8.2	11.7	16.8
Aircraft.....	32.7	2.1	13.8	5.5	36.8	13.1	7.0	13.2	12.7	24.8	-1.8	-1.8
Missiles.....	4.6	7	4.3	14.6	-7.9	27.6	10.1	62.4	9.0	20.6	7.5	51.1
Ships.....	22.9	15.8	-22	2.2	5.9	10.4	-1.7	27.6	6.5	-5	1	16.2
Vehicles.....	-24.6	12.7	10.8	-5.0	0.6	6.1	7.8	9.1	8.8	11.4	13.9	-0
Other durables.....	12.8	16.0	-4.3	6.1	13.7	4.0	7.1	7.4	13.0	6.1	7.4	11.3
Nondurables.....	18.4	22.5	38.4	-8.6	-3.6	21.5	3.8	8.5	18.1	1.9	80.9	193.9
Bulk petroleum.....	38.9	17.7	17.0	8.4	2.9	6.1	5.0	4.8	23.8	44.5	134.0	138.8
Other nondurables.....	16.0	11.4	6.1	1.0	16.4	9.8	.1	14.8	17.7	9	13.3	12.8
Services.....	6.2	3.2	1.8	19.1	4.2	3.4	8.4	15.7	3.9	3.8	4.4	20.6
Compensation.....	1.8	7	2	21.8	1.8	2.0	2.5	19.2	2.3	1.4	1.4	26.2
Services less compensation.....	19.7	8.4	3.4	6.7	10.3	6.2	5.4	7.1	8.1	7.9	10.8	9.8
Travel.....	1.4	3.3	-8	10.8	4.6	1.9	3.1	5	7.8	1.3	6.8	20.2
Transportation.....	2.2	5.6	8.8	1.3	4.8	2.1	.8	2.6	27.7	10.6	18.7	38.1
Communications.....	32.6	6.8	5.0	7.9	-1.4	.5	4.6	6.9	-8.4	1.0	-5.0	2.9
Other services.....	22.8	8.5	8.2	8.7	11.8	7.1	6.6	6.6	3.9	8.0	11.5	7.3
Structures.....	7.2	3.7	7.8	1.4	8.5	5.8	8.9	15.3	18.8	18.1	16.6	10.6
Addendae:												
Total purchases less compensation.....	12.9	11.4	8.0	8.6	10.6	8.5	8.3	7.4	10.7	7.0	17.5	10.7
Total purchases less compensation and bulk petroleum.....	15.0	10.4	8.9	6.2	12.9	8.8	6.2	11.5	9.5	8.0	11.0	9.6
	1980				1981				1982			
	I	II	III	IV	I	II	III	IV	I	II	III	IV
National defense purchases.....	13.8	9.4	4.3	28.6	6.8	9.5	3.0	24.2	6.5	4.1	9.1	2.1
Durables.....	14.2	18.1	2.2	12.0	6.6	15.4	9.2	14.3	7.8	11.6	4.8	
Aircraft.....	17.3	32.6	-9.0	14.1	8.4	22.6	6.5	17.8	26.5	21.5	15.8	
Missiles.....	-9.9	16.4	17.3	22.7	8.8	26.4	2.8	26.8	-17.8	64.8	-4.5	
Ships.....	18.2	8.8	6.5	.3	8.8	11.8	3.1	10.1	2.0	7.0	6.8	
Vehicles.....	15.5	95.8	-2.8	25.5	31.8	3.1	26.0	28.9	-5.0	38.8	18.5	
Other durables.....	16.4	10.0	8.4	11.8	11.9	7.9	13.1	5.6	4.3	5.7	2.8	
Nondurables.....	88.8	2.8	4.1	27.6	-2	88.2	-5.6	12.2	-17.4	-6.0	11.3	
Bulk petroleum.....	104.8	38.0	19.0	4.1	8.8	80.7	-4.9	-11.1	-9.2	-11.7	-10.9	
Other nondurables.....	6.4	1.2	10.6	10.2	9.3	1.9	11.4	7.5	12.9	-3.2	12.4	
Services.....	6.4	7.0	3.9	35.3	6.0	4.8	5.2	28.8	6.6	1.5	2.2	
Compensation.....	2.6	1.1	1.4	30.3	3.4	1.7	1.4	48.0	2.2	.8	.8	
Services less compensation.....	9.7	13.9	11.1	15.1	8.9	9.6	9.0	5.8	17.7	-1.8	.6	
Travel.....	30.3	14.1	12.6	198.4	-10.1	24	7.4	-6	-24	4.3	-29	
Transportation.....	14.6	27.9	3.2	-1	7.7	10.3	-10.4	14.8	2.3	-4.6	2.8	
Communications.....	1.9	9.1	-1	-9	10.6	58.1	66.7	22.3	2.3	5.7	-11.4	
Other services.....	6.9	14.1	11.3	10.8	10.4	7.4	9.0	5.1	21.5	-2.0	1.3	
Structures.....	17.4	6.5	1.9	7.0	12.4	31.2	8.7	6.1	7.0	7.2	.1	
Addendae:												
Total purchases less compensation.....	20.6	16.2	7.2	14.2	8.4	15.2	3.8	12.1	10.9	8.6	1.5	
Total purchases less compensation and bulk petroleum.....	12.6	16.3	6.8	12.3	8.2	11.2	2.6	10.5	11.8	7.4	3.8	

Table 6.—Percent Change From Preceding Period in Fixed-weighted Price Indexes [1977=100]

(Seasonally adjusted at annual rates)

	1977				1978				1979			
	I	II	III	IV	I	II	III	IV	I	II	III	IV
National defense purchases	5.3	2.8	16.4	7.2	4.0	4.8	13.9	5.3	7.4	9.2	21.2	
Durables	12.2	0	6.1	17.4	6.9	6.2	10.7	7.6	18.6	11.0	11.4	
Aircraft	5.8	7.5	8.2	25.2	6.8	3.7	2.9	5.5	26.7	26.4	7.5	
Missiles	14.9	-1.5	8.5	12.9	5.4	4.1	36.4	-10.1	30.8	1.8	8.9	
Ships	12.1	0	3.2	3.3	10.2	2.7	22.4	10.8	4.3	-2.9	21.0	
Vehicles	11.8	5.2	8	6.6	5.6	5.9	-1.0	9.7	4.6	9.3	11.6	
Other durables	17.0	-5.3	7.1	18.7	6.4	6.1	8.1	14.4	4.8	7.2	11.9	
Nondurables	8.6	7.7	11.3	8.8	2.1	6.0	7.8	15.4	27.4	78.2	82.4	
Bulk petroleum	10.1	9.6	14.4	5.5	-1.8	4.7	8.0	42.9	129.0	129.4		
Other nondurables	6.5	5.1	7.1	13.7	7.9	7.9	7.6	11.7	6.1	8.0	16.4	
Services	2.7	2.0	19.5	3.7	8.1	3.9	15.7	3.8	3.5	3.8	21.1	
Compensation	2.7	2.2	25.8	1.8	1.8	2.5	19.2	2.2	1.3	1.4	26.3	
Services less compensation	7.2	5.9	7.2	2.3	5.8	7.6	6.7	5.5	9.0	10.9		
Travel	2.2	3.9	9.2	5.2	3	3.3	-1.5	8.2	.9	4.1	23.2	
Transportation	6.3	8.6	4	-1.0	4.1	4.0	13.8	20.6	14.1	14.5	23.4	
Communications	7.2	3.2	8.3	1.2	.6	11.4	-1.8	-1.6	-1.8	-3.0	4.9	
Other services	7.7	6.1	8.0	10.0	6.7	7.6	9.3	5.2	8.6	9.2	2.1	
Structures	8.2	6.6	1.6	6.1	6.4	11.2	9.2	8.6	14.9	13.3	14.2	
Addenda:												
Total purchases less compensation	9.4	3.4	7.1	12.2	5.9	6.7	9.5	7.9	12.5	16.0	18.2	
Total purchases less compensation and bulk petroleum	9.3	3.1	6.7	12.7	6.4	6.3	9.6	7.8	11.1	10.2	11.5	
	1980				1981				1982			
	I	II	III	IV	I	II	III	IV	I	II	III	IV
National defense purchases	10.6	11.9	5.6	25.8	6.6	9.5	5.6	20.4	5.7	4.6	2.9	
Durables	11.8	16.6	4.9	2.4	9.2	17.6	5.2	5.9	12.5	15.0	5.4	
Aircraft	7.7	25.0	7.1	3.3	5.8	23.1	3.4	14.1	17.1	26.4	11.1	
Missiles	-4.3	32.2	4.2	12.9	15.5	46.5	-1.1	-12.5	27.6	10.6	11.1	
Ships	20.1	7.0	5.2	6.9	9.4	6.8	5.8	1.6	8.8	6.6	5.1	
Vehicles	24.2	6.8	-27.6	4.7	7.6	38.7	82.6	-16.6	4.1	.8	-11.9	
Other durables	15.2	11.0	7.2	10.4	10.8	8.6	13.3	5.6	1.2	4.1	1.0	
Nondurables	1.4	20.7	17.1	4.8	13.8	31.2	0	-4.2	-7.9	-3.5	-2.2	
Bulk petroleum	114.3	41.5	20.2	2.8	13.4	49.7	-8.0	-14.0	-12.8	-6.7	-5.2	
Other nondurables	7.5	3.9	9.2	10.4	11.7	6.9	9.5	4.9	6.6	5.3	6.6	
Services	4.6	8.8	4.3	39.0	5.0	3.7	5.0	31.5	5.9	2.0	2.2	
Compensation	2.5	1.1	1.5	58.7	3.4	1.5	1.4	43.7	2.2	.8	.3	
Services less compensation	9.8	19.7	10.0	18.3	8.8	7.9	12.7	9.9	11.2	4.7	5.0	
Travel	88.3	12.8	10.1	197.8	-10.5	2.8	10.4	-1.8	-2.5	2.8	-3.5	
Transportation	18.6	23.0	11.2	1.4	9.6	8.5	-1.3	8.1	4.6	-1.6	2.6	
Communications	8.6	11.1	-4.5	2.3	10.8	80.3	13.4	13.5	3	2.1	1.9	
Other services	6.7	20.1	10.4	11.9	10.1	7.2	14.6	11.1	12.7	5.1	6.2	
Structures	18.6	6.9	8.1	8.4	8.6	7.1	7.4	6.0	7.4	1.2	15.1	
Addenda:												
Total purchases less compensation	18.0	19.2	8.7	11.1	9.1	16.0	8.9	5.0	8.7	7.7	4.6	
Total purchases less compensation and bulk petroleum	10.8	18.9	7.4	12.2	8.6	12.3	10.5	7.6	11.4	8.4	5.7	